## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 15 September 2005 (15.09.2005) (10) International Publication Number WO 2005/084715 A3

- (51) International Patent Classification: A61K 51/04 (2006.01) A61K 47/48 (2006.01) A61K 49/00 (2006.01)
- (21) International Application Number:

PCT/NO2005/000078

- (22) International Filing Date: 3 March 2005 (03.03.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

20040953

NO 4 March 2004 (04.03.2004)

- (71) Applicant (for all designated States except US): AMER-SHAM HEALTH AS [NO/NO]; Intellectual Property Dept., P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401 Oslo (NO).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LØVHAUG, Dagfinn [NO/NO]; Amersham Health AS, P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401 Oslo (NO).
- (74) Agents: THORESEN, Liv-Heidi et al.; Amersham Health AS, P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401 Oslo (NO).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

- with international search report
- (88) Date of publication of the international search report: 15 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONJUGATES OF ANGIOTENSIN PEPTIDIC ANALOGUES AND CHELATING AGENTS FOR DIAGNOSIS AND THERAPY

(57) Abstract: A pharmaceutical of the general formula Z-(L)<sub>n</sub>-V, wherein V denotes an amino acid sequence  $X^1-X^2$ -Val-Tyr-Ile-His-Pro- $X^3-X^9-X^{10}$ ; L denotes a bond or a linker; Z denotes a group that optionally can carry an imaging moiety M;  $X^1$  denotes an amino acid;  $X^2$  denotes Arg or N-alkylated Arg or a mimetic of Arg;  $X^3$ ,  $X^9$  and  $X^{10}$  constitute an ACE cleavage site; Z forms a bond with the amino acid  $X^1$  optionally through the linker L; and M where denotes an imageable moiety capable of detection either directly or indirectly in a diagnostic imaging procedure.